

1 : 6 BATTER WALL

Foundation pressure in tons per sq. ft.

TYPE	LOADING CASE	WALL HEIGHT															
		2'-6"	4'-2"	5'-10"	7'-6"	9'-2"	10'-10"	12'-6"	14'-2"	15'-10"	17'-6"	19'-2"	20'-10"	22'-6"	24'-2"	25'-10"	27'-6"
I	A	0.3	0.5	0.9	1.3	1.7											
	B	0.6	0.7	0.8	1.4	1.7											
	C	0.4	0.6	0.7	0.8	0.9											
II	A	0.5	0.5	0.6	0.7	1.0	1.3	1.7	2.2								
	B	0.7	0.9	1.2	1.4	1.4	1.6	2.6	3.0								
	C	0.5	0.7	0.8	1.0	1.1	1.2	1.2	1.5								
III-I	A					1.0	1.2	1.5	1.8	2.2							
	B					1.2	1.7	2.0	2.8	3.2	4.4						
	C					0.8	1.0	1.2	1.5	1.8	2.2						
III-II	A							1.6	2.0	2.4							
	B							2.6	3.0	3.3	4.6						
	C							1.4	1.7	2.0	2.4						
IV	A									1.9	2.2	2.6	3.0	6.2			
	B									3.0	3.3	4.3	4.8	3.2			
	C									1.8	2.1	2.4	2.8				

VERTICAL WALL

Foundation pressure in tons per sq. ft.

WALL HEIGHT															
2'-6"	4'-2"	5'-10"	7'-6"	9'-2"	10'-10"	12'-6"	14'-2"	15'-10"	17'-6"	19'-2"					
0.4	0.7	1.2													
0.4	0.7														
0.3	0.4	0.8	1.2	1.9											
0.3	0.5	0.8	1.1	1.5	2.1										
0.5	0.5	1.0													
0.4	0.4	0.6	0.9	1.3	1.8	2.4									
					1.2	1.6	2.0	2.6							
					1.1	1.5	1.9	2.5	3.2	4.2					
						2.0	2.6								
						1.9	2.5	3.2	4.2						
								2.4	2.9	3.6					
								2.5	3.0	3.7					

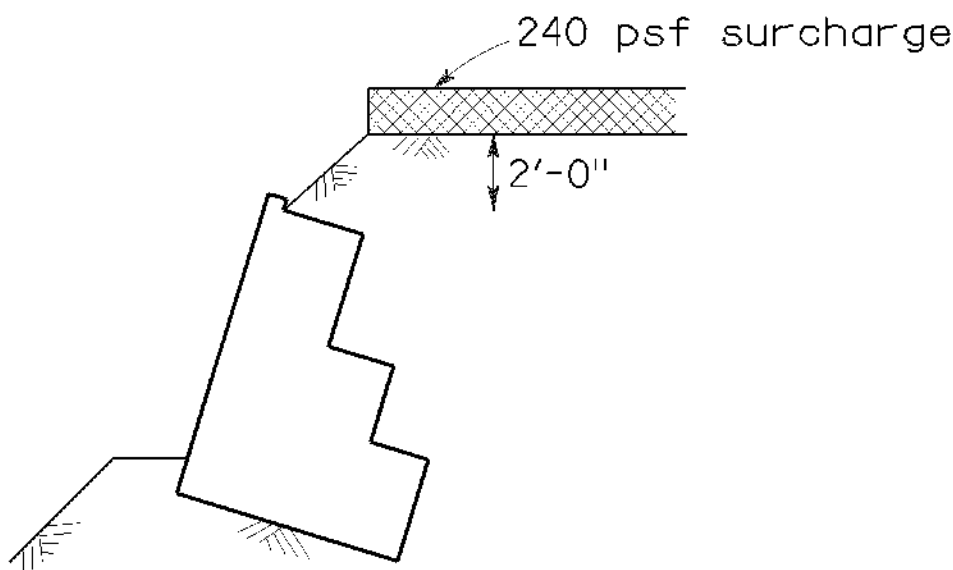
		15'-10"	17'-6"	19'-2"	20'-10"	22'-6"	24'-2"	25'-10"	27'-6"	29'-2"	30'-10"	32'-6"	34'-2"	35'-10"	37'-6"	39'-2"	40'-10"
V	A	1.6	1.8	2.0	2.3	2.7	3.0	3.4	3.9								
	B	2.8	3.1	3.3	4.2	4.6	5.6	6.1	7.5								
	C	1.5	1.8	2.0	2.3	2.6	3.0	3.4	3.9								
V I	A		1.7	1.9	2.1	2.4	2.7	3.0	3.4	3.8	4.2						
	B		3.0	3.2	3.5	4.3	4.6	5.6	6.0	7.2	7.7						
	C		1.7	1.9	2.2	2.4	2.7	3.1	3.4	3.8	4.3						
V II	A					2.2	2.5	2.7	3.0	3.3	3.7	4.0	4.4	4.9			
	B					4.1	4.4	4.8	5.6	6.0	7.0	7.5	8.7	9.4			
	C					2.4	2.6	2.9	3.2	3.6	3.9	4.3	4.8	5.2			
V III	A									3.2	3.4	3.7	4.1	4.4	4.8	5.2	
	B									5.8	6.2	7.0	7.5	8.6	9.2	9.8	
	C									3.5	3.8	4.2	4.5	4.9	5.3	5.8	

15'-10"	17'-6"	19'-2"	20'-10"	22'-6"	24'-2"	25'-10"	27'-6"	29'-2"
2.0	2.3	2.7	3.2	3.8				
2.1	2.6	3.0	3.6	4.2	5.0	6.1	7.4	
	2.1	2.4	2.8	3.2	3.7	4.3	5.1	
	2.3	2.7	3.2	3.7	4.3	5.0	5.8	6.9
				2.8	3.2	3.6	4.0	4.6
				3.3	3.7	4.2	4.8	5.5
								4.0
								4.8

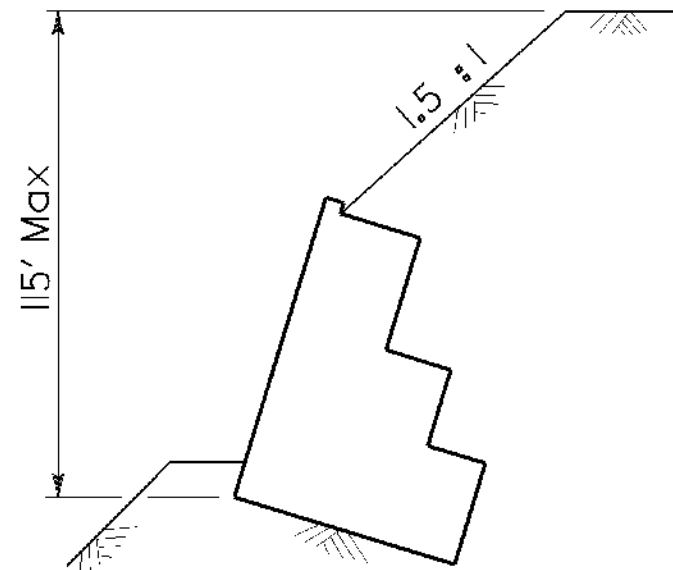
		29'-2"	30'-10"	32'-6"	34'-2"	35'-10"	37'-6"	39'-2"	40'-10"	42'-6"	44'-2"	45'-10"	47'-6"	49'-2"	50'-10"	52'-6"	54'-2"
IX	A	2.9	3.1	3.4	3.6	4.0	4.3	4.6	5.0	5.4							
	B	5.4	5.8	6.2	6.9	7.4	8.3	8.8	9.9	10.5							
	C	3.2	3.5	3.8	4.1	4.5	4.8	5.2	5.7	6.1							
X	A	2.6	2.8	3.0	3.3	3.5	3.8	4.1	4.4	4.7	5.1	5.5	5.9				
	B	4.8	5.1	5.8	6.1	6.8	7.2	8.0	8.4	9.3	9.8	10.3	11.5				
	C	3.0	3.2	3.5	3.8	4.1	4.4	4.7	5.1	5.4	5.8	6.3	6.7				
XI	A								4.4	4.7	5.0	5.3	5.7	6.1	6.5		
	B								8.3	8.7	9.5	10.0	11.1	11.7	12.9		
	C								5.2	5.5	5.9	6.3	6.7	7.1	7.6		
XII	A										4.8	5.1	5.4	5.7	6.1	6.5	6.9
	B										9.1	9.6	10.4	10.9	11.9	12.6	13.8
	C										5.7	6.1	6.4	6.8	7.2	7.7	8.1

29'-2"
3.6
4.4
3.3
4.1

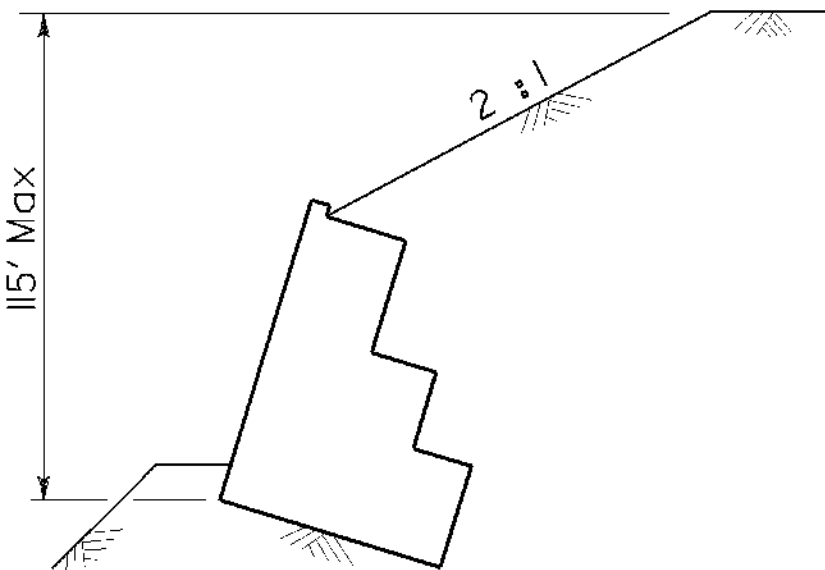
Note: Heavy line in table indicates the maximum allowable wall height for a particular wall type and loading case.



CASE A



CASE B



CASE C

DETAIL OF DESIGN LOADING CASES

STANDARD DRAWING										STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		REINFORCED CONCRETE CRIB WALL SHT 5 OF 5																											
RELEASE DATE	12/ 01/ 06	DESIGN	BY	W.BAKER	CHECKED	O.HOR	RELEASED BY																																		
FILE NO.	xs12-010-5e	DETAILS	BY	R.YEE	CHECKED	O.HOR																																			
SUBMITTED		SUBMITTED	BY	O.HOR	DATE	09/01/06	OFFICE																																		
DS 050 2747A (ENG 15F) (REV X/XX/XX)										ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU EA	DISREGARD PRINTS BEARING EARLIER REVISION DATES										SHEET 2F																	
										0			1	2			3	REVISION DATES (PRELIMINARY STAGE ONLY)																							

DATE PLOTTED --> 06 DEC 2006 TIME PLOTTED --> 11:56